

FIG. 1A



FIG. 1B



FIG. 1C

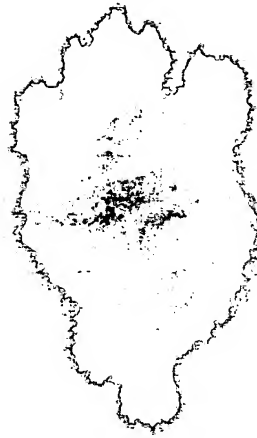


FIG. 1D

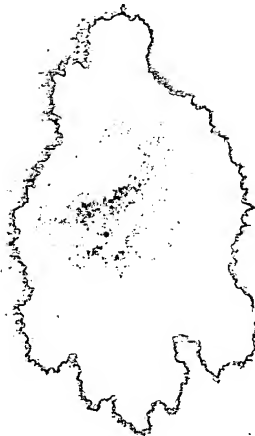


FIG. 1E



FIG. 1F



FIG. 2A

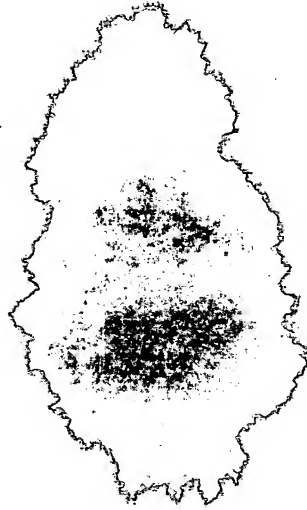


FIG. 2B

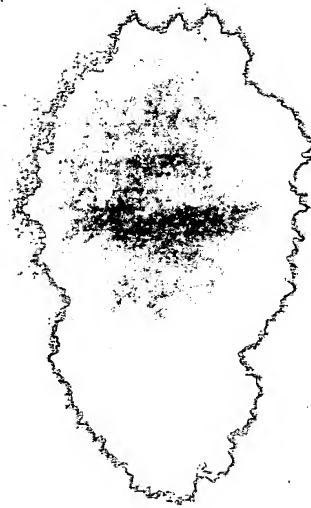


FIG. 2C

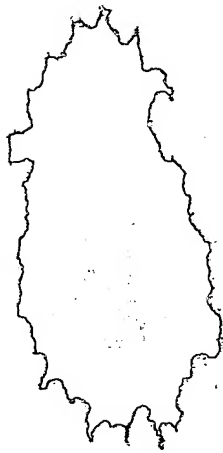


FIG. 2D



FIG. 2E



FIG. 2F



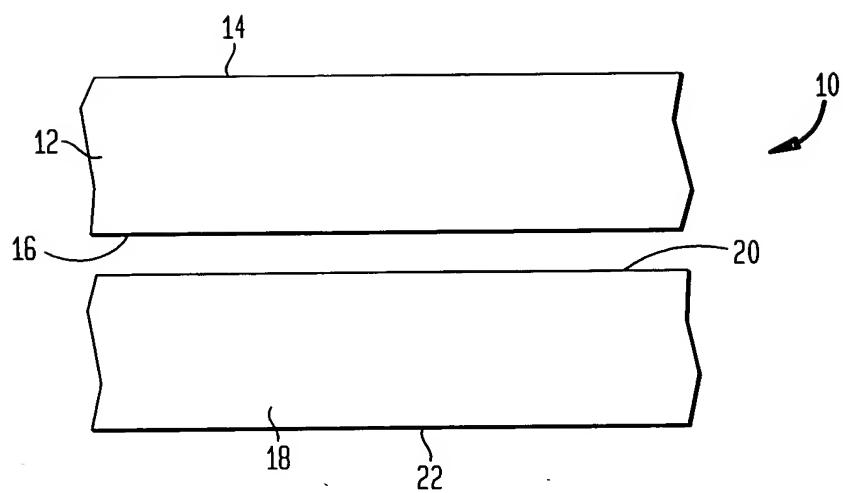
FIG. 3

FIG. 4

| SURFACE SPECTRA OF WET LAID TOWEL | | PEAK HEIGHT @ 2914 cm^{-1} |
|---|--|--|
| 14 - TREATED SIDE | | 0.019 |
| 16 - MIDDLE SPLIT FACING TREATED SIDE | | 0.021 |
| 20 - MIDDLE SPLIT FACING UNTREATED SIDE | | 0.007 |
| 22 - UNTREATED SIDE | | 0.007 |
| C - CONTROL | | 0.005 |

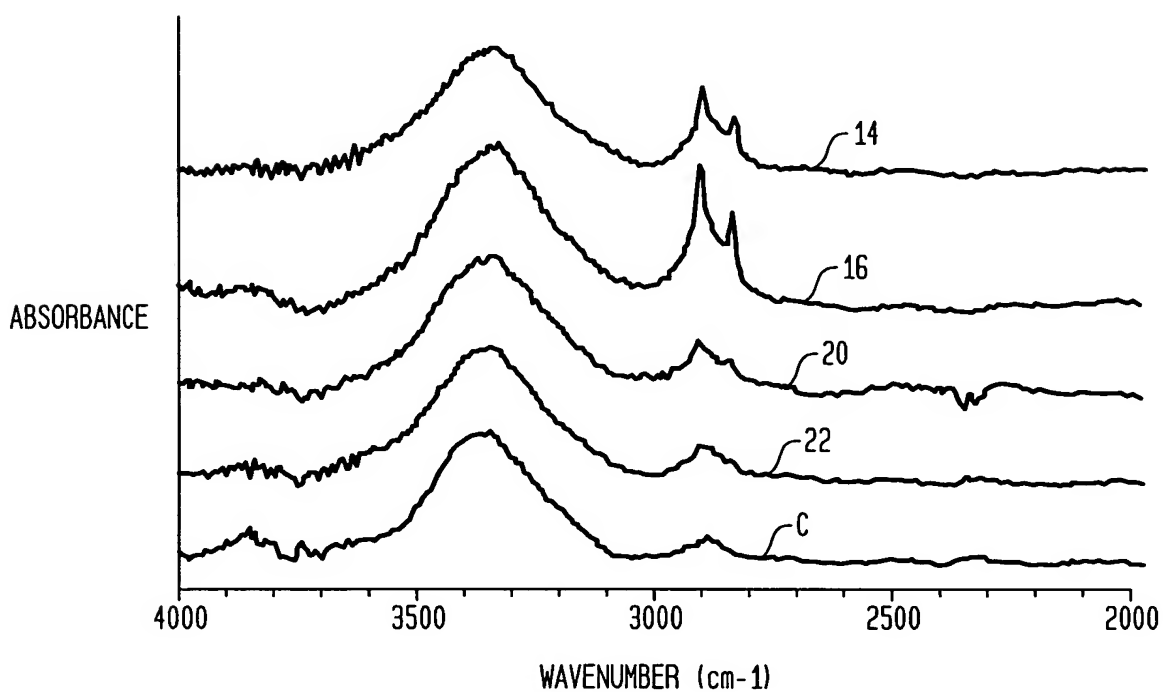
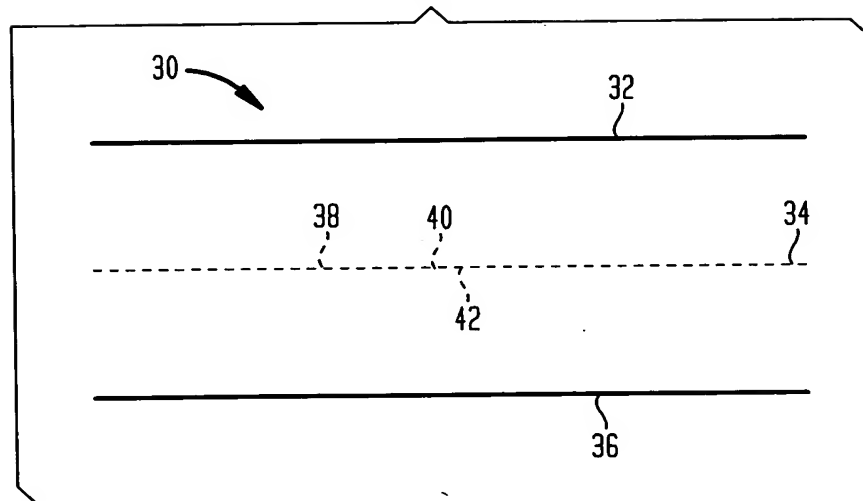


FIG. 5



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FIG. 6

| SURFACE SPECTRA OF "AIRLAID" TOWEL | | PEAK HEIGHT @ 2914 cm^{-1} |
|---|--|--|
| 32 - TREATED SIDE | | 0.116 |
| 40 - MIDDLE SPLIT FACING TREATED SIDE | | 0.061 |
| 42 - MIDDLE SPLIT FACING UNTREATED SIDE | | 0.010 |
| C' - MIDDLE SPLIT CONTROL | | 0.004 |
| 36 - UNTREATED SIDE | | 0.022 |
| C - OUTSIDE SURFACE CONTROL | | 0.023 |

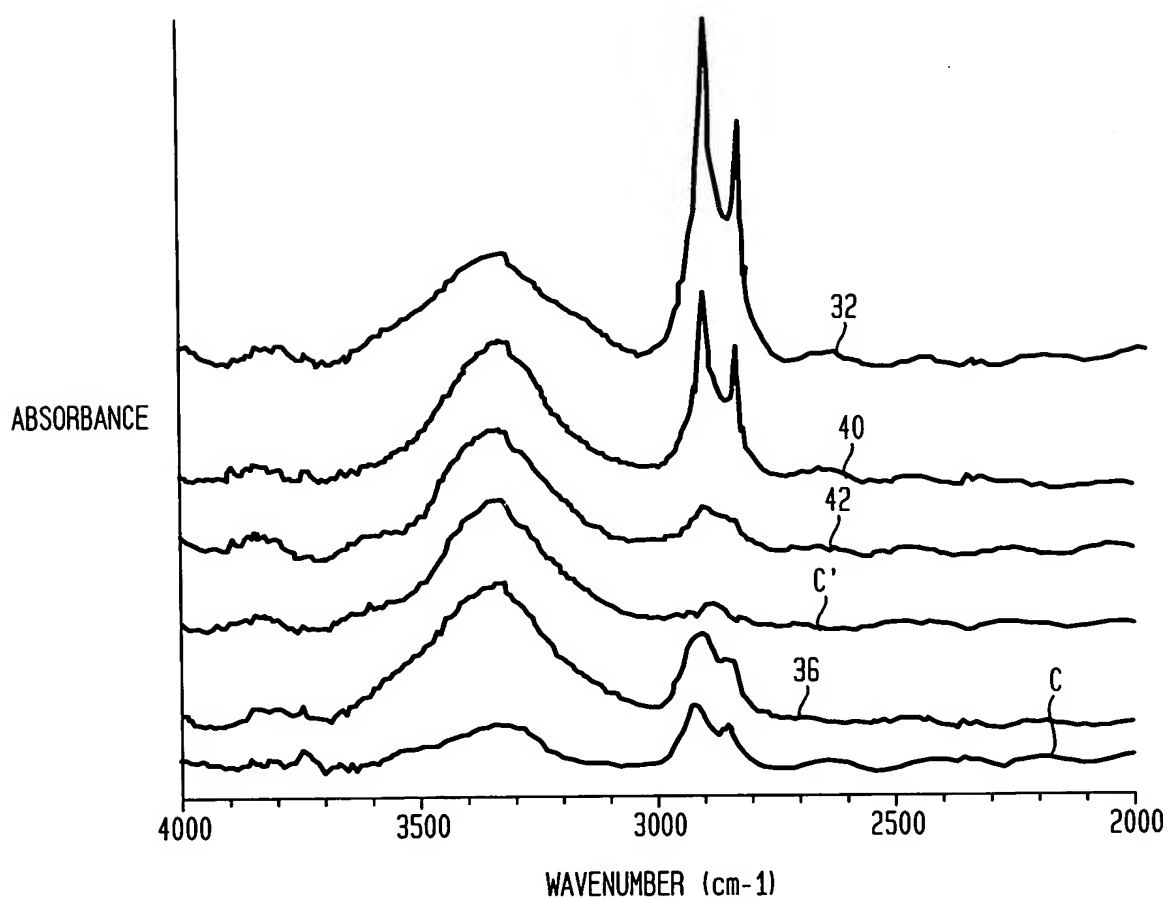


FIG. 7

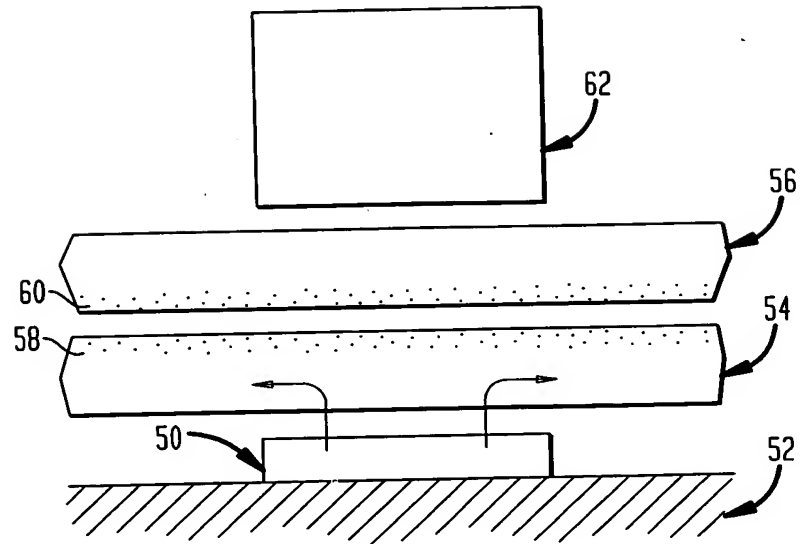


FIG. 8

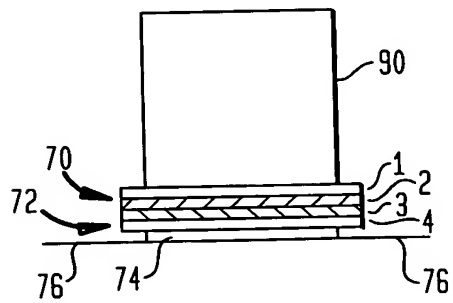


FIG. 9

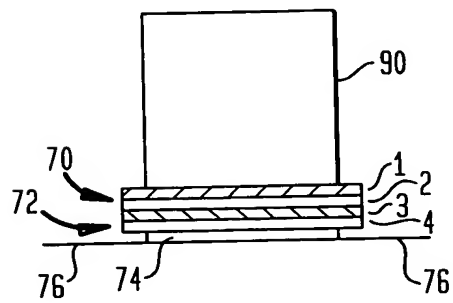


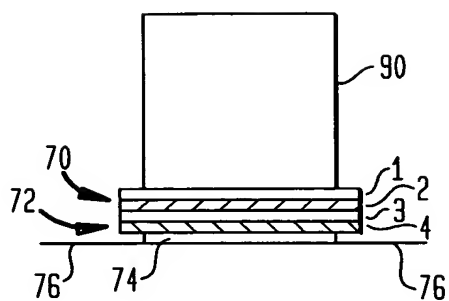
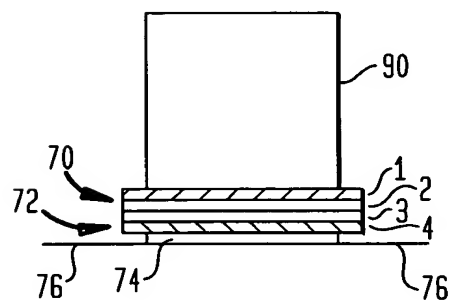
FIG. 10**FIG. 11**

FIG. 12

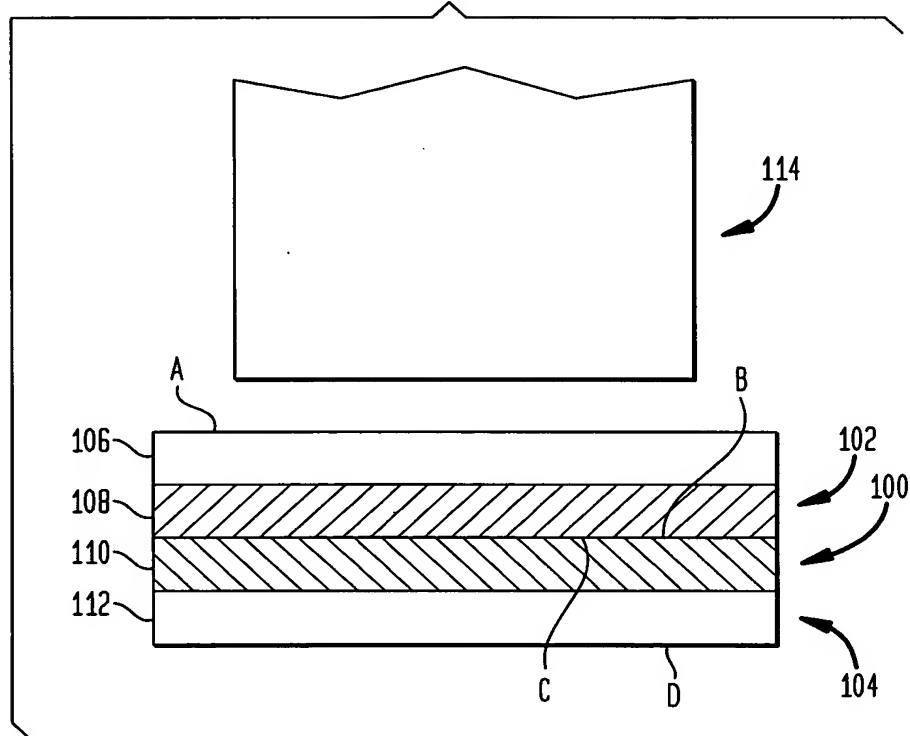


FIG. 13

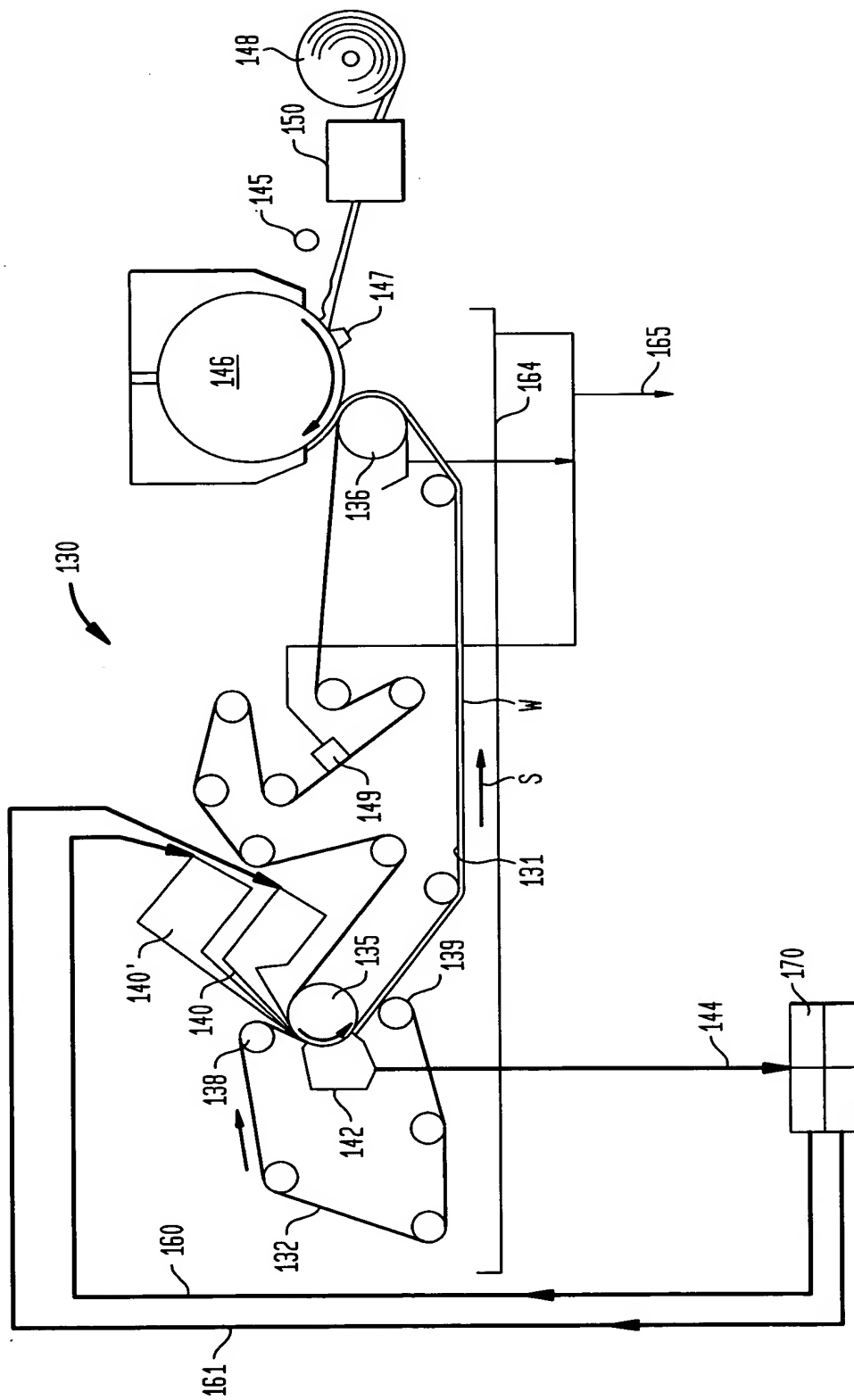
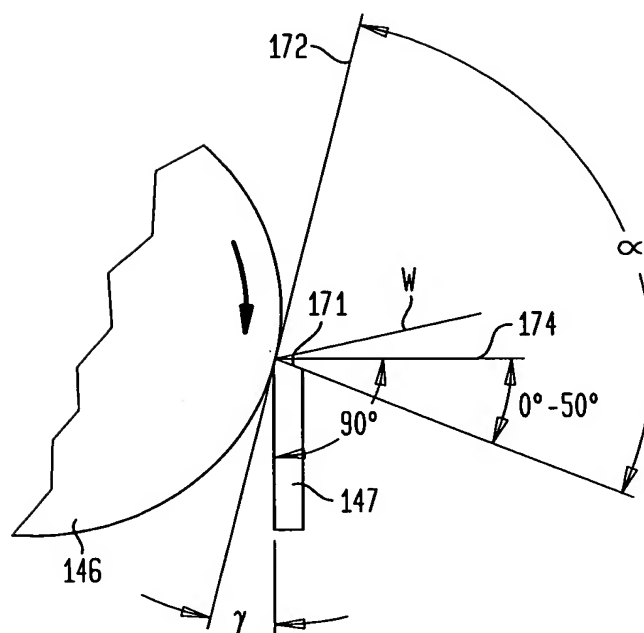


FIG. 14

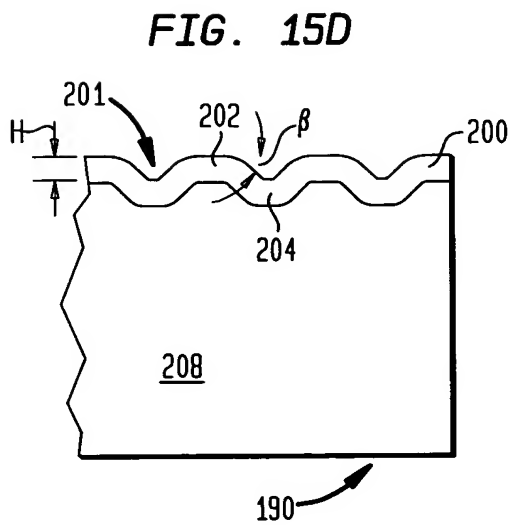
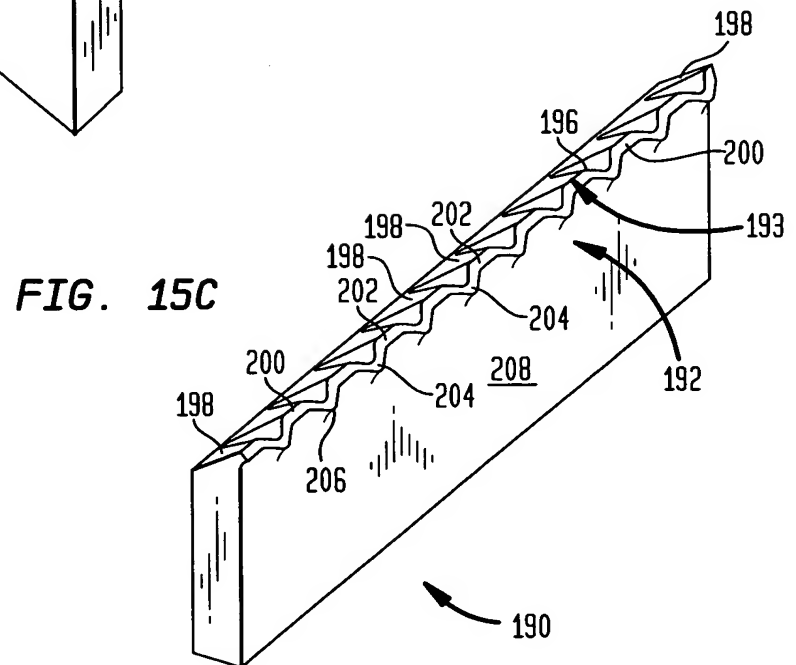
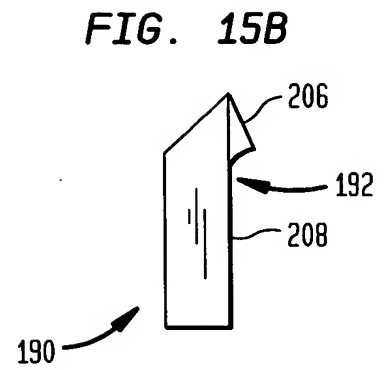
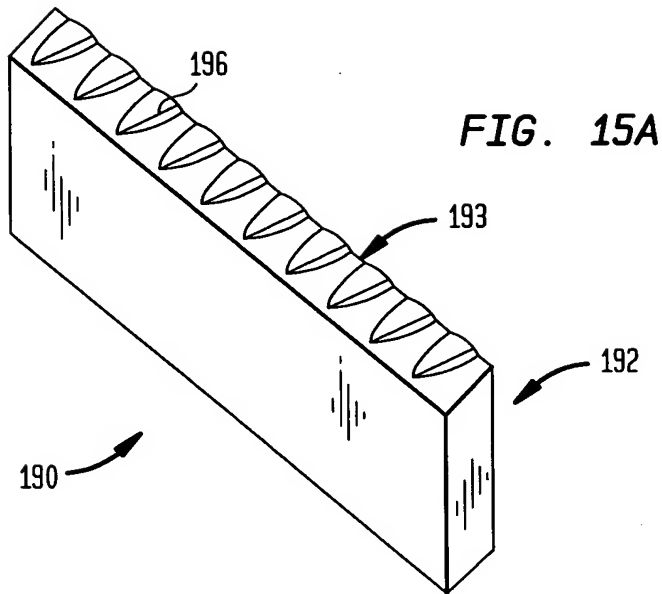


FIG. 15E

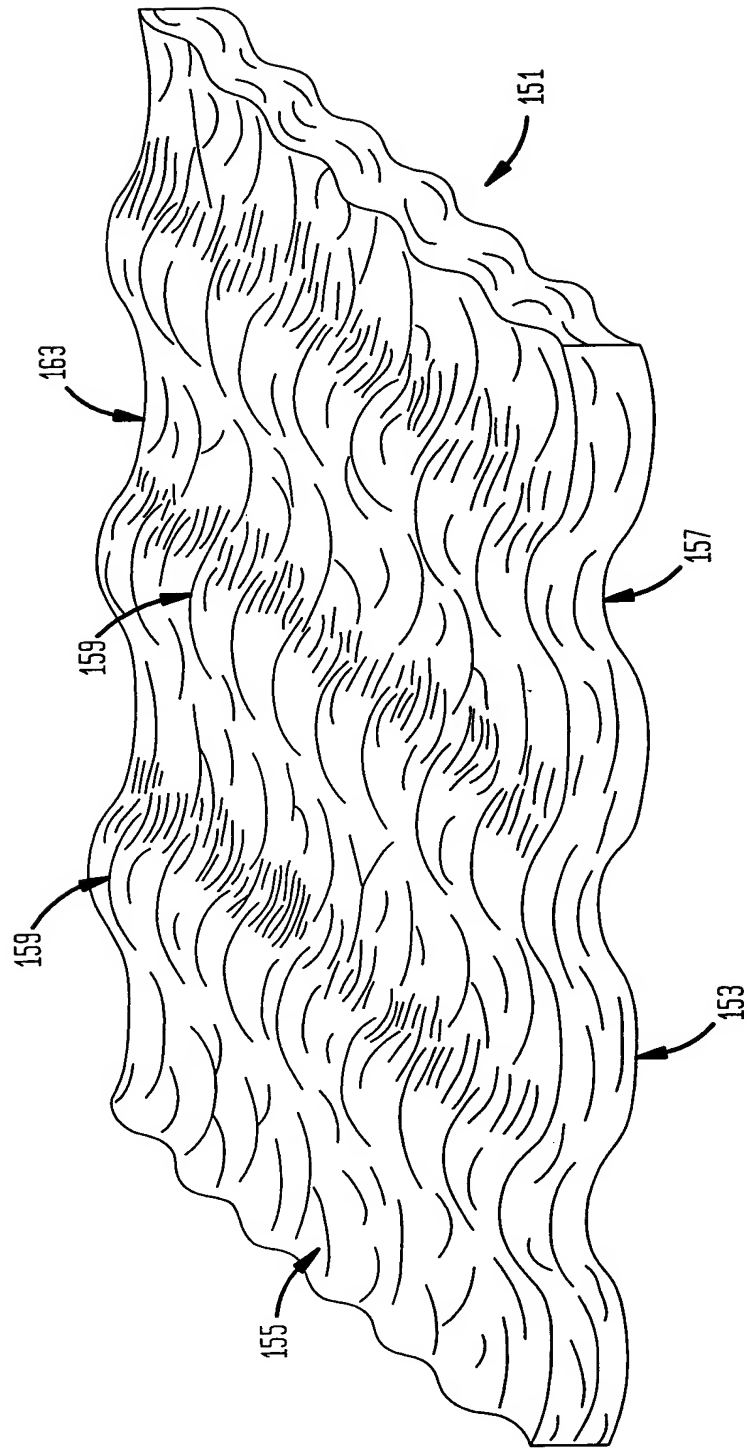
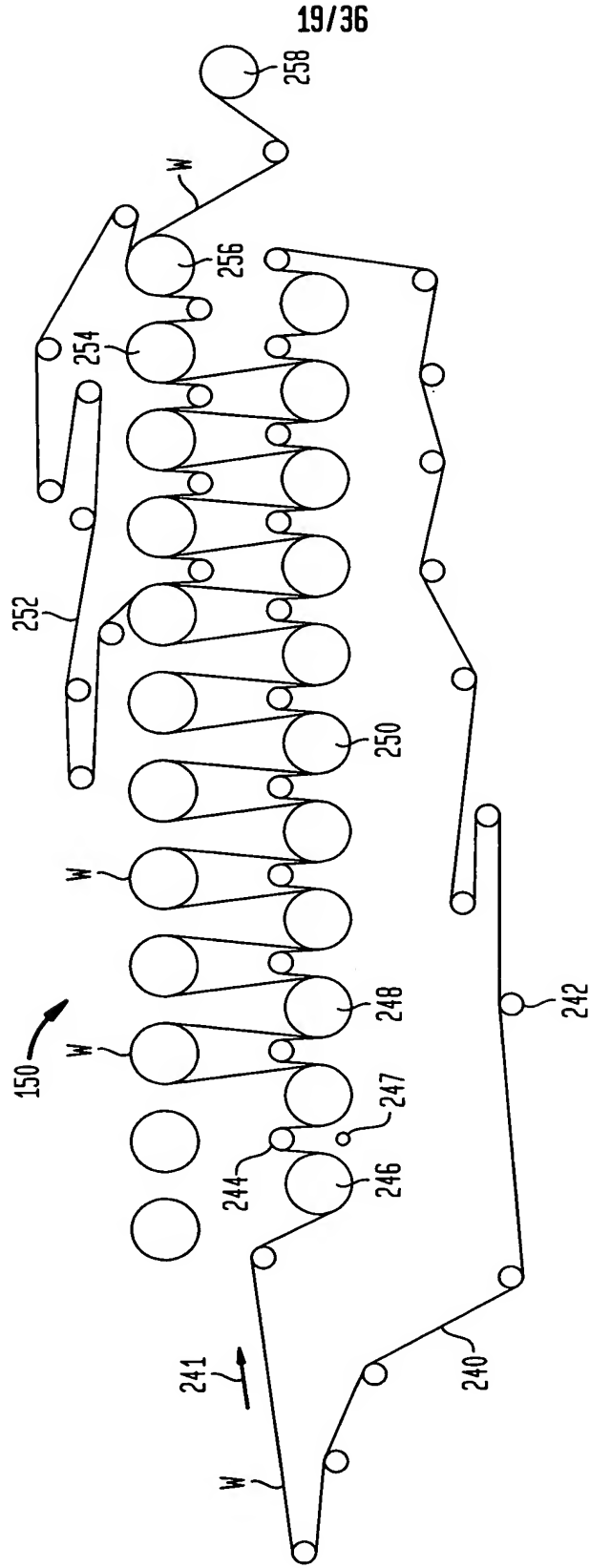


FIG. 17



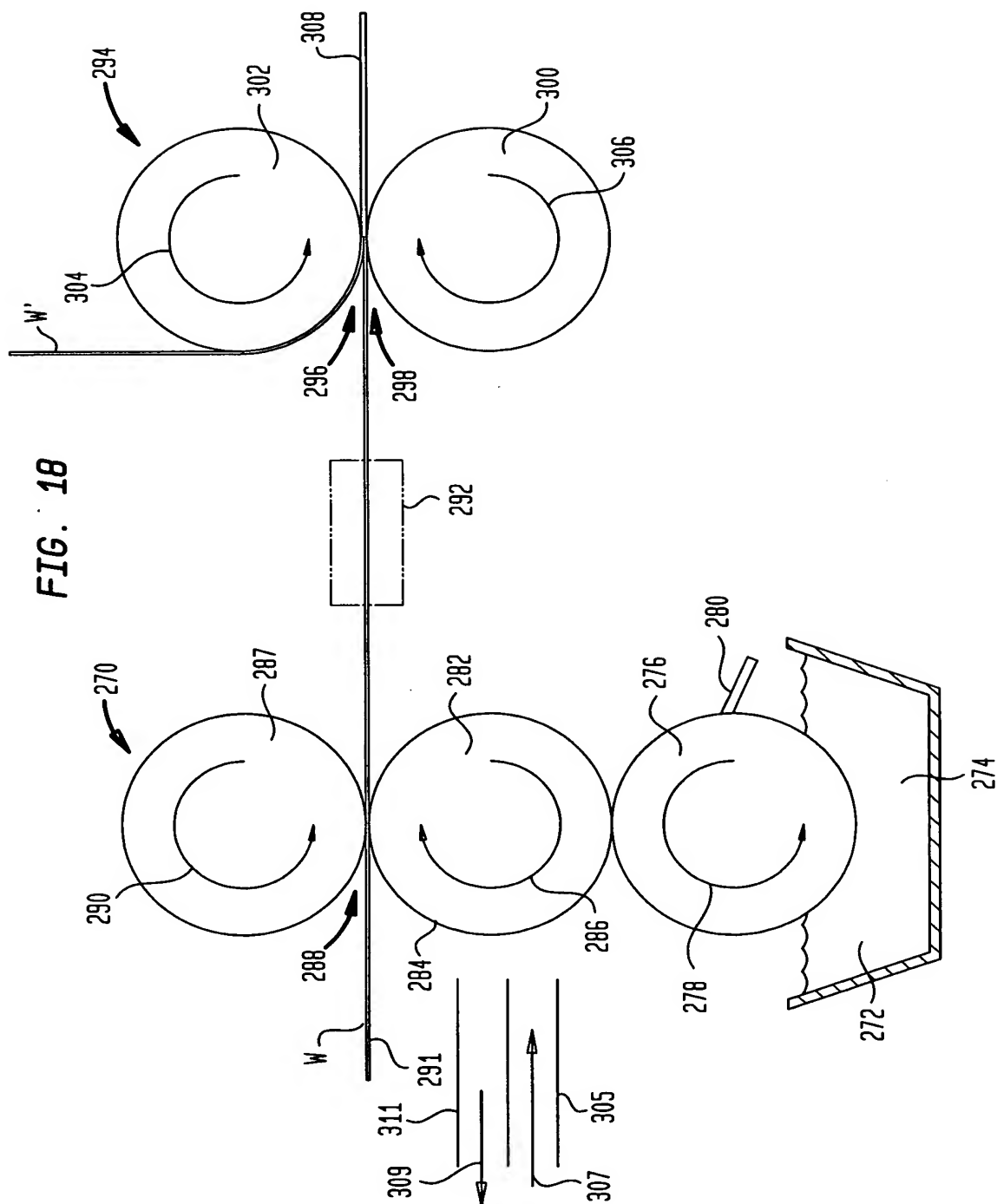


FIG. 19

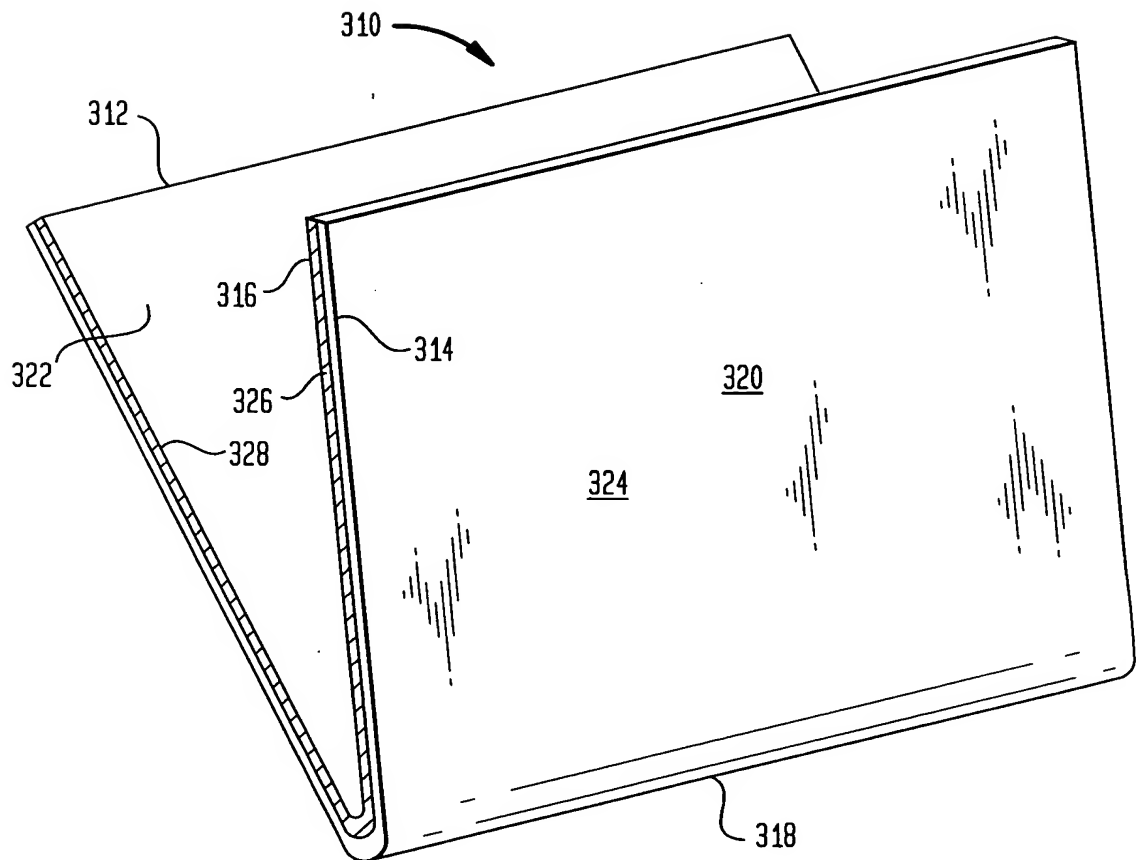


FIG. 20

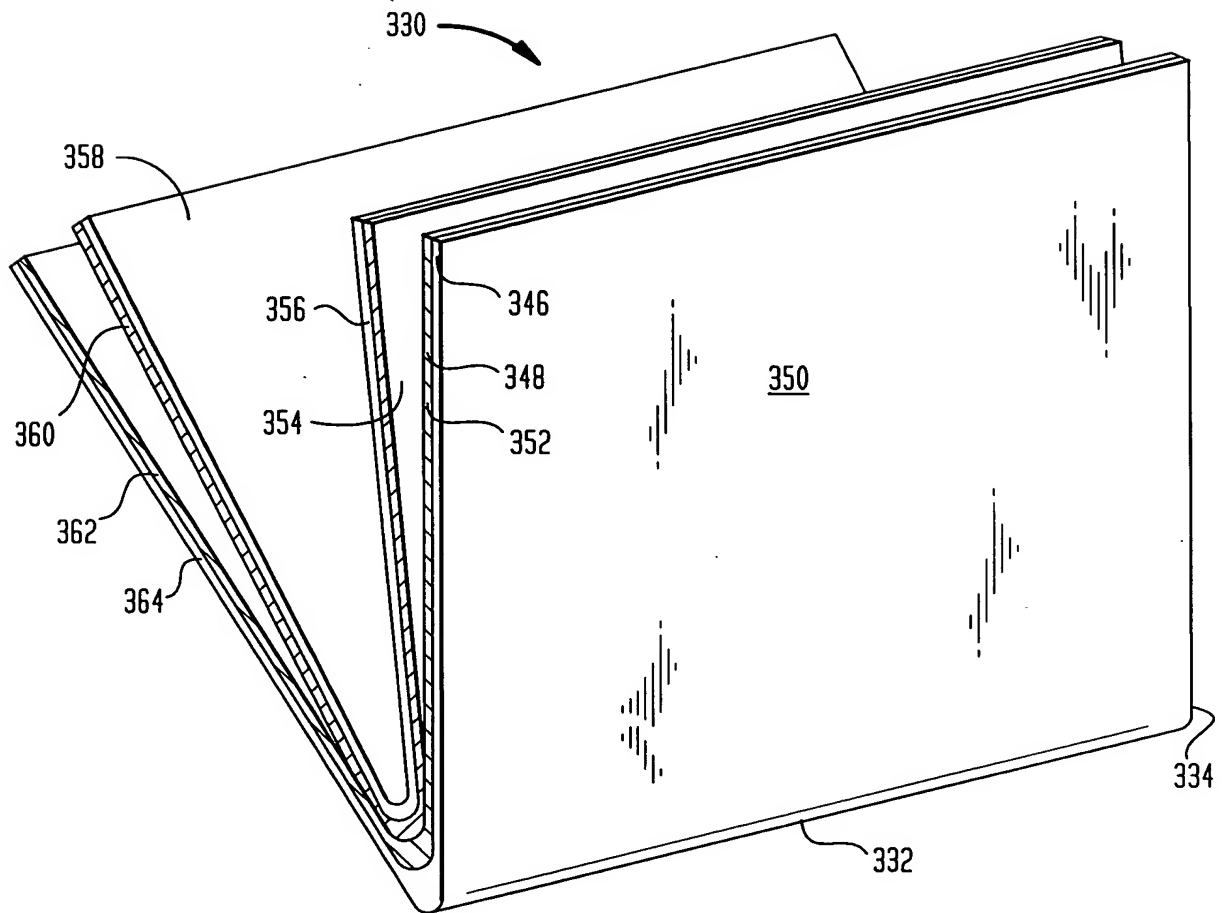


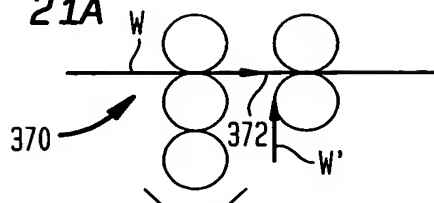
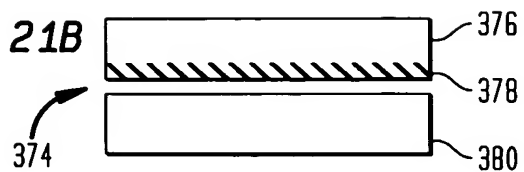
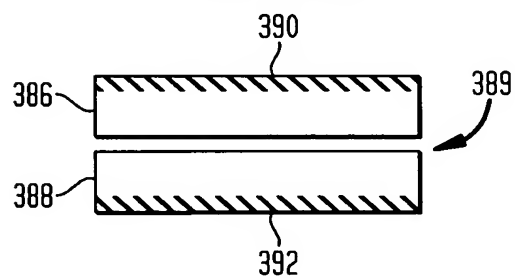
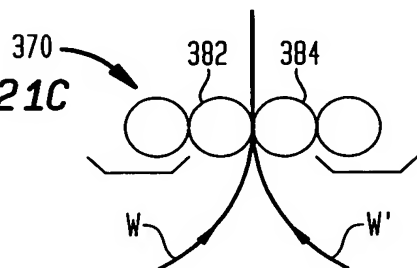
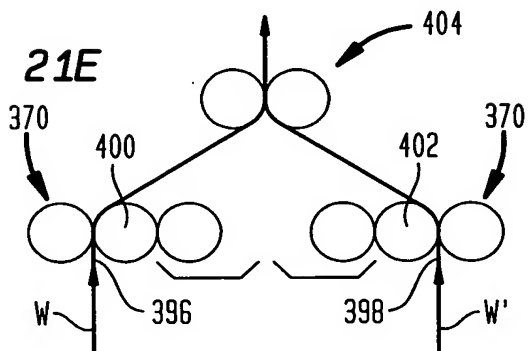
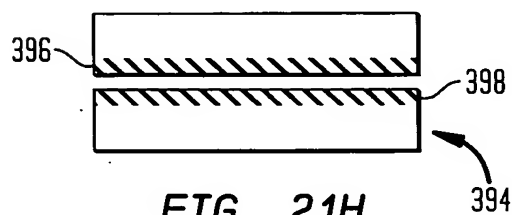
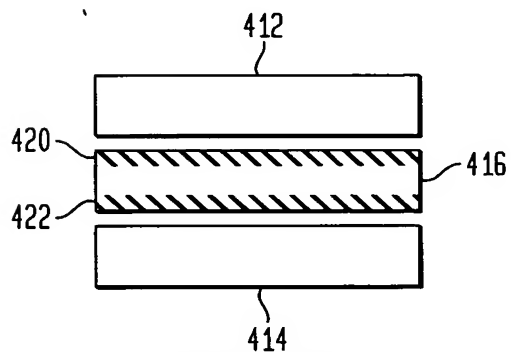
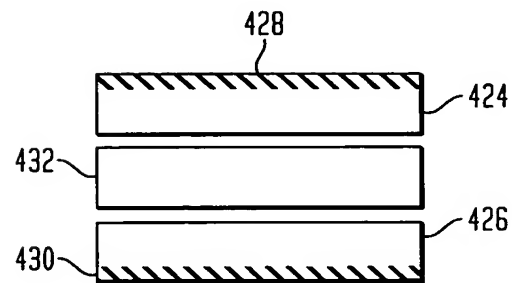
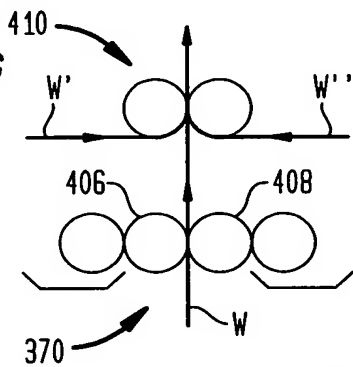
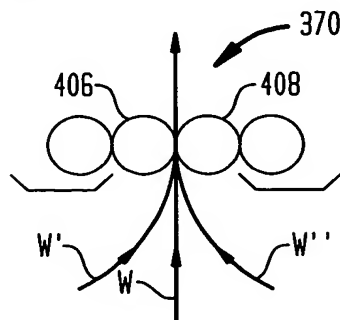
FIG. 21A**FIG. 21B****FIG. 21D****FIG. 21C****FIG. 21E****FIG. 21F****FIG. 21H****FIG. 21J****FIG. 21G****FIG. 21I**

FIG. 22

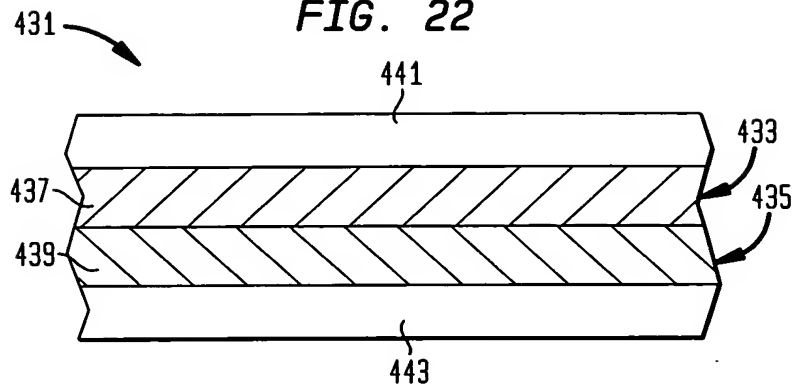


FIG. 23

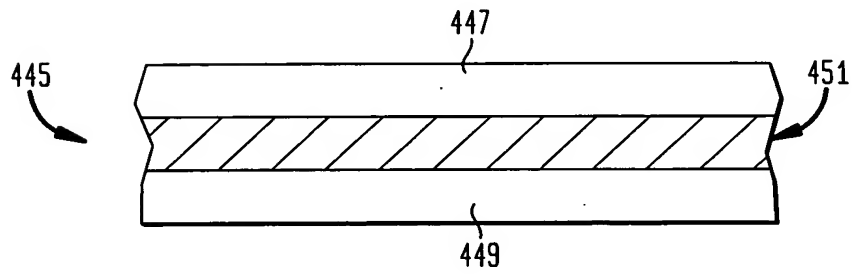


FIG. 24

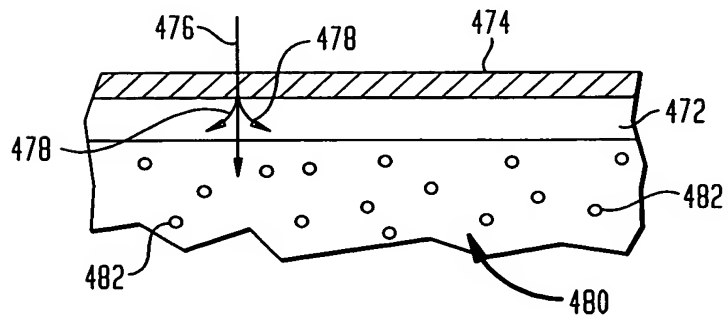


FIG. 25A

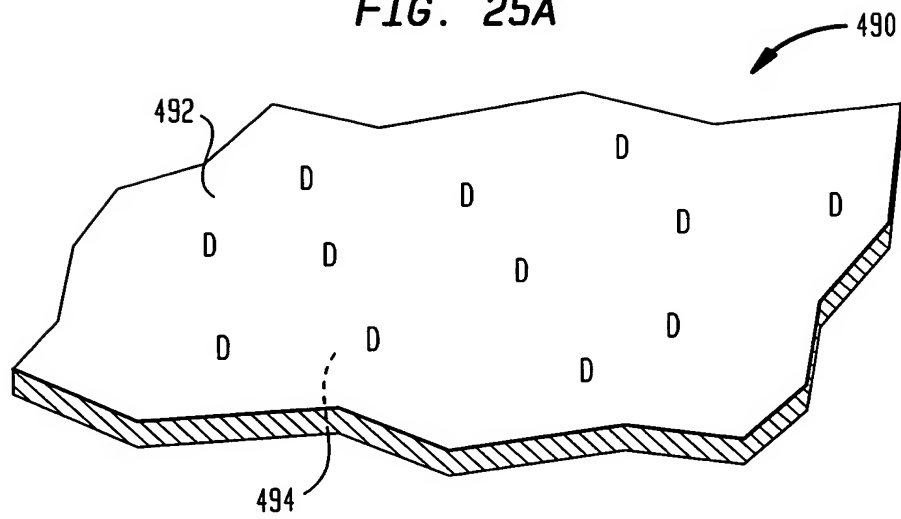


FIG. 25B

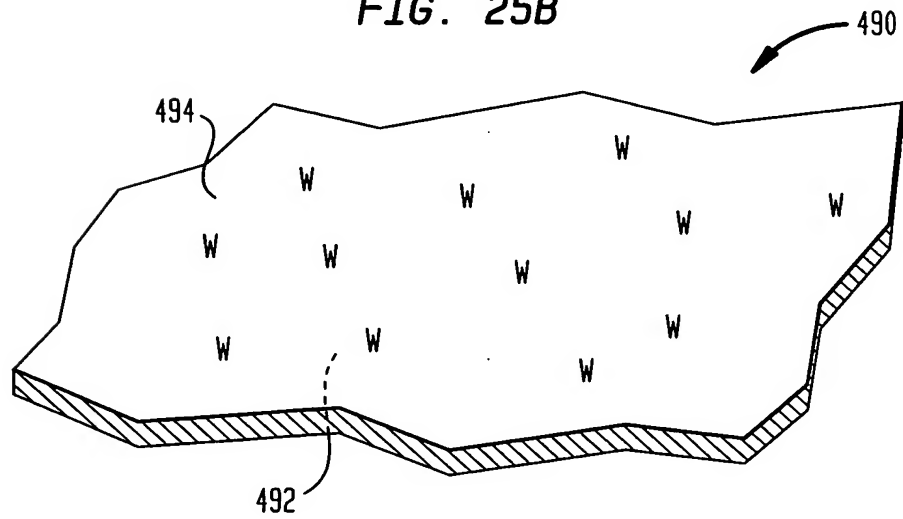


FIG. 26A

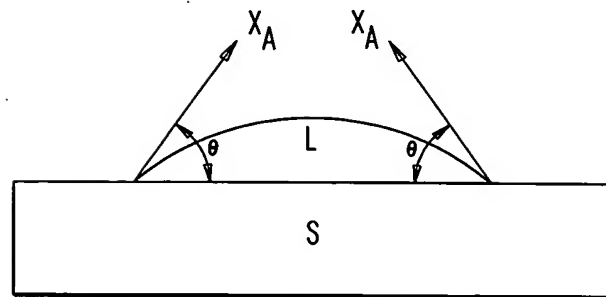


FIG. 26B

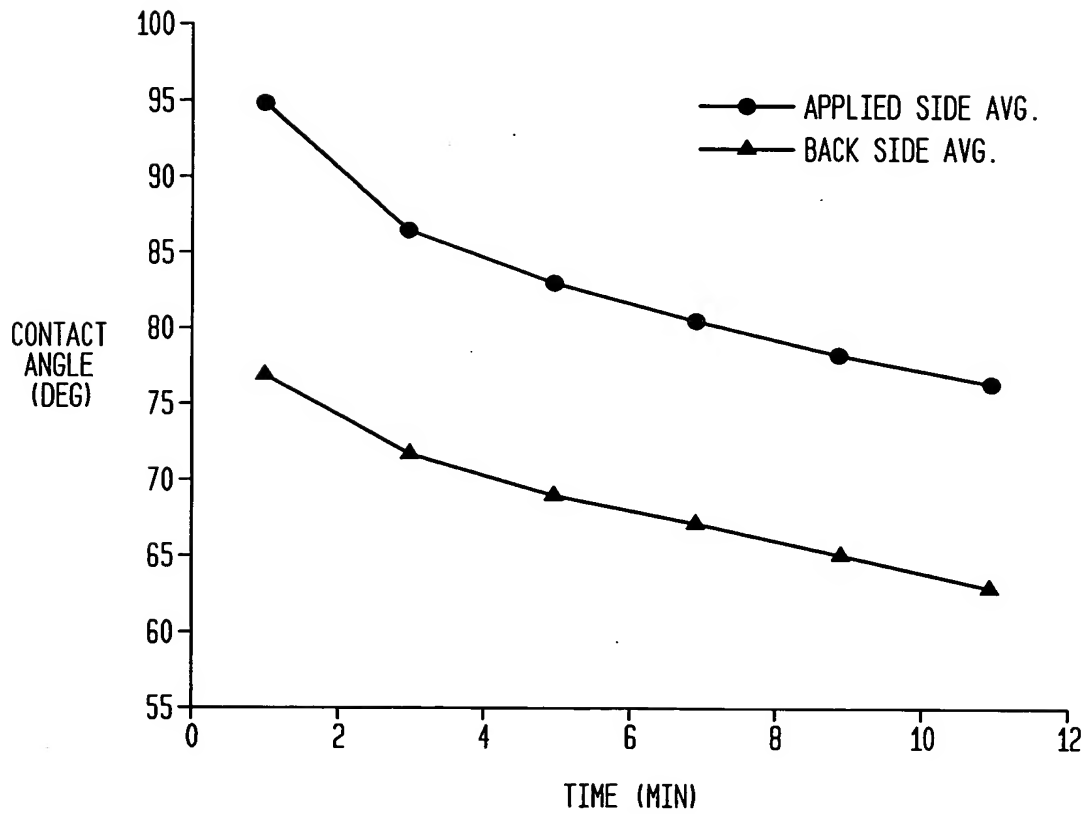


FIG. 26C

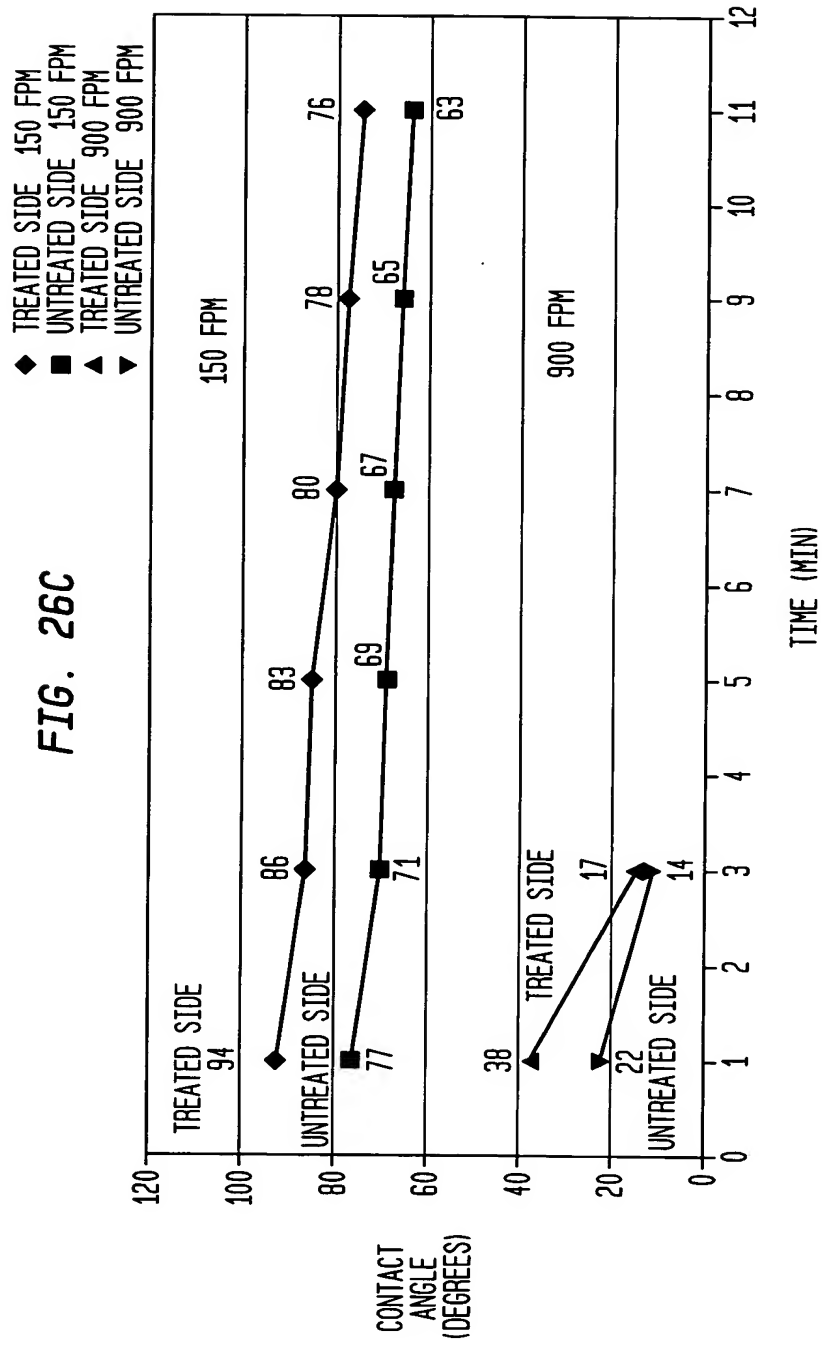


FIG. 26D

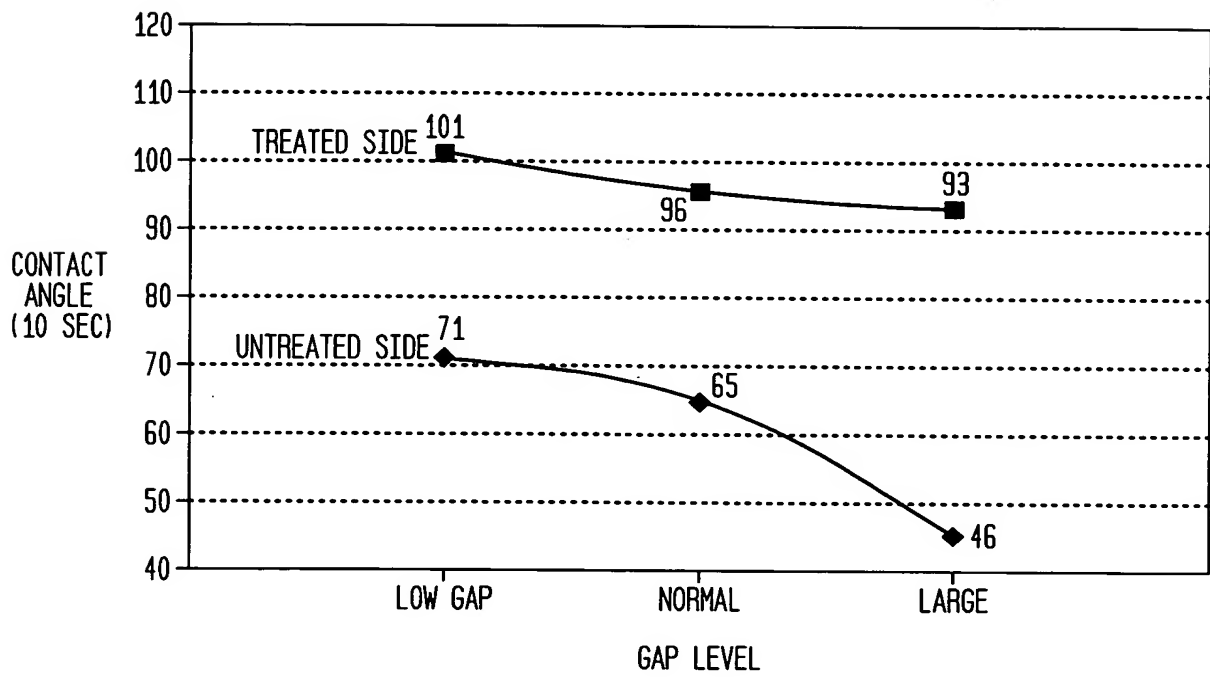


FIG. 27

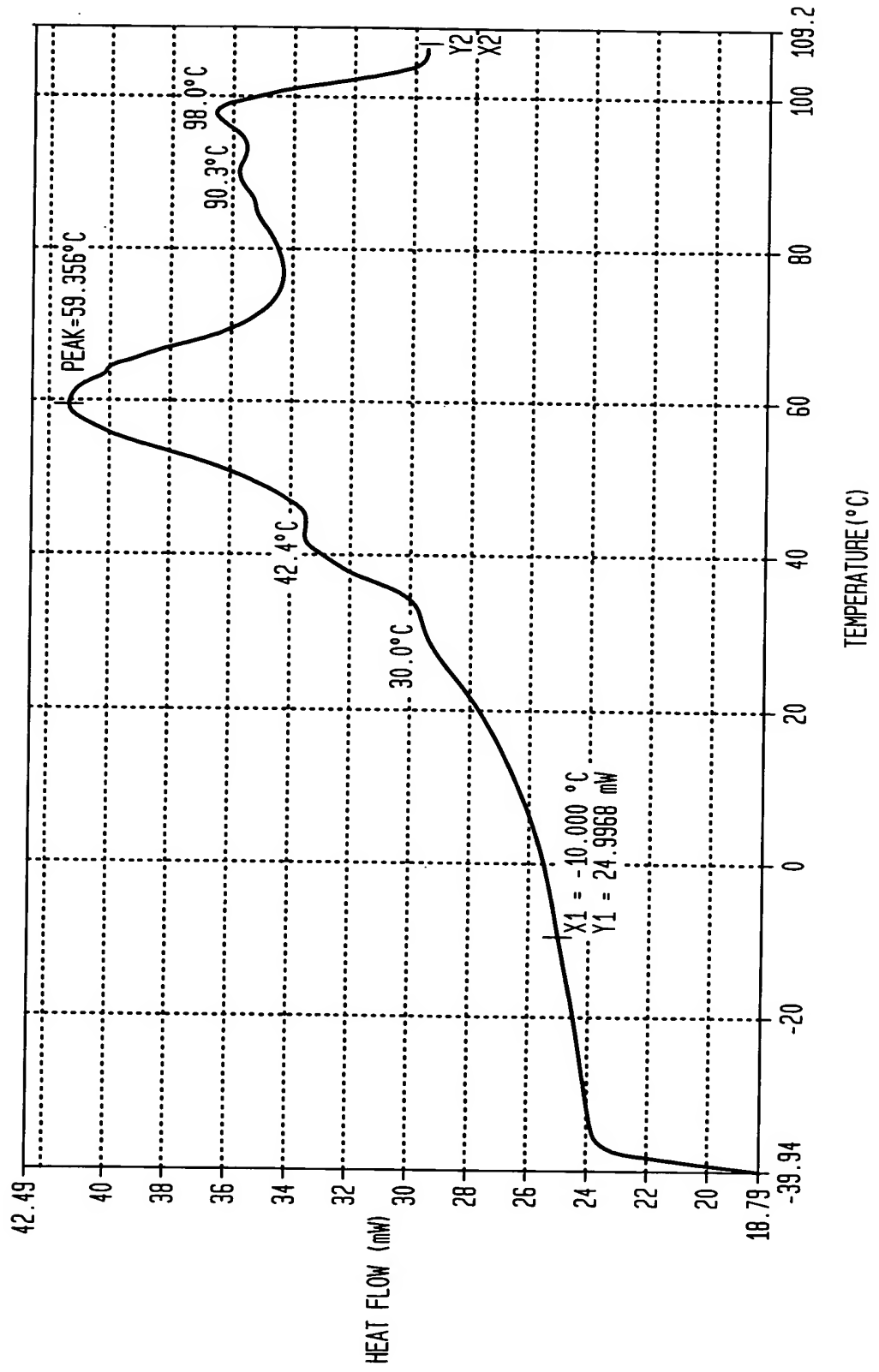


FIG. 28

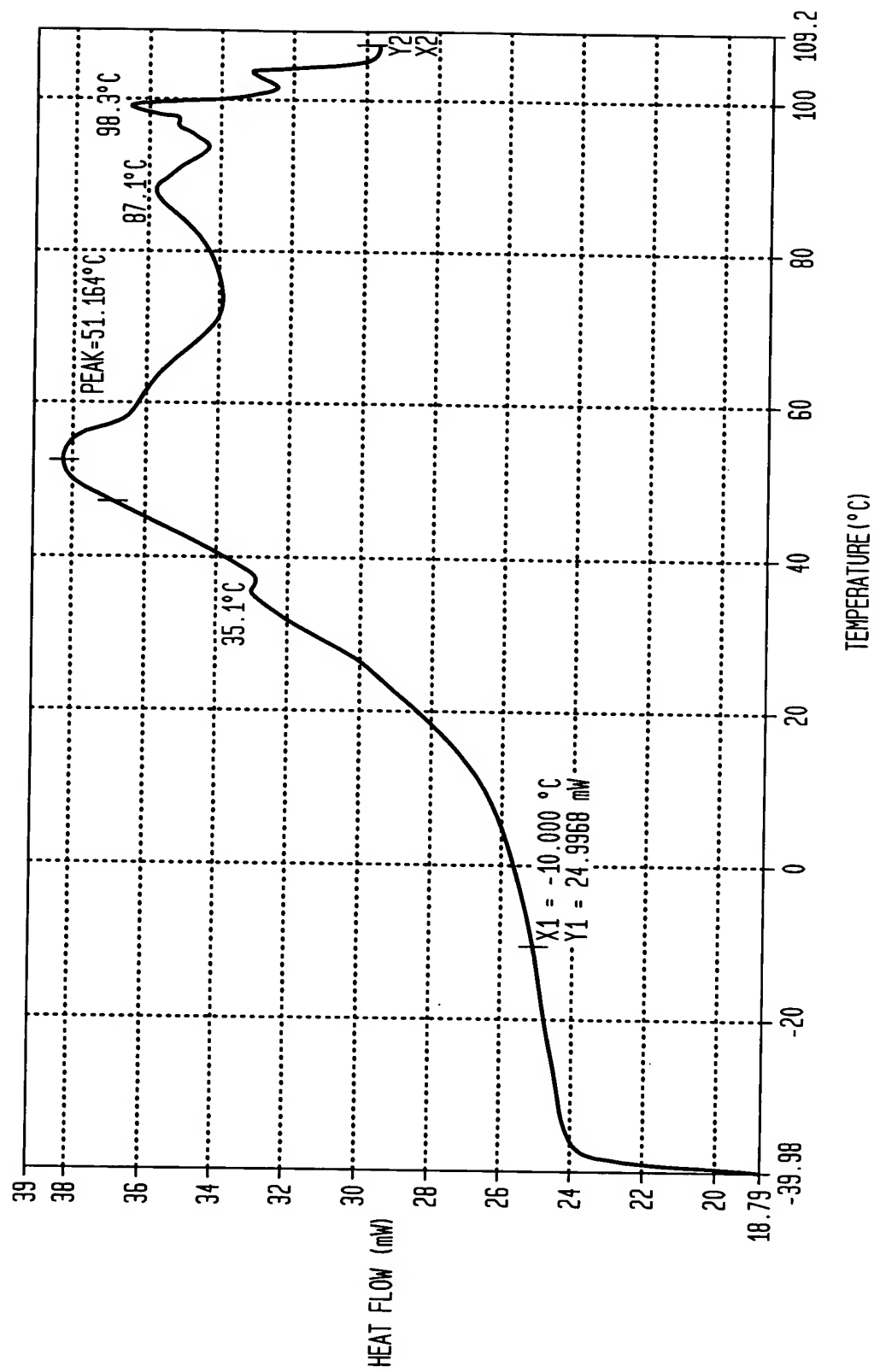


FIG. 29

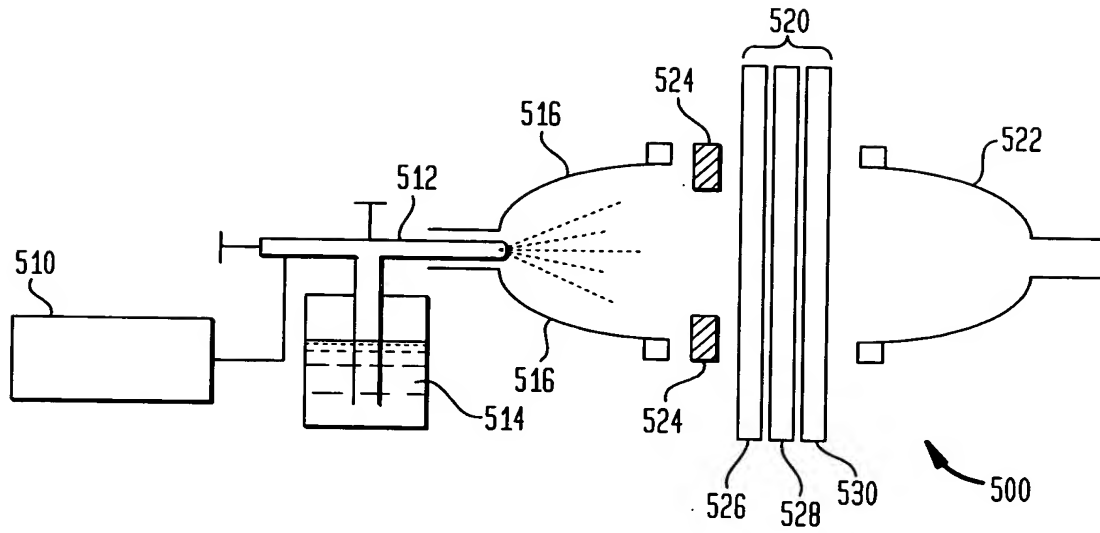


FIG. 30
3-PLY STERNUTATION TESTING

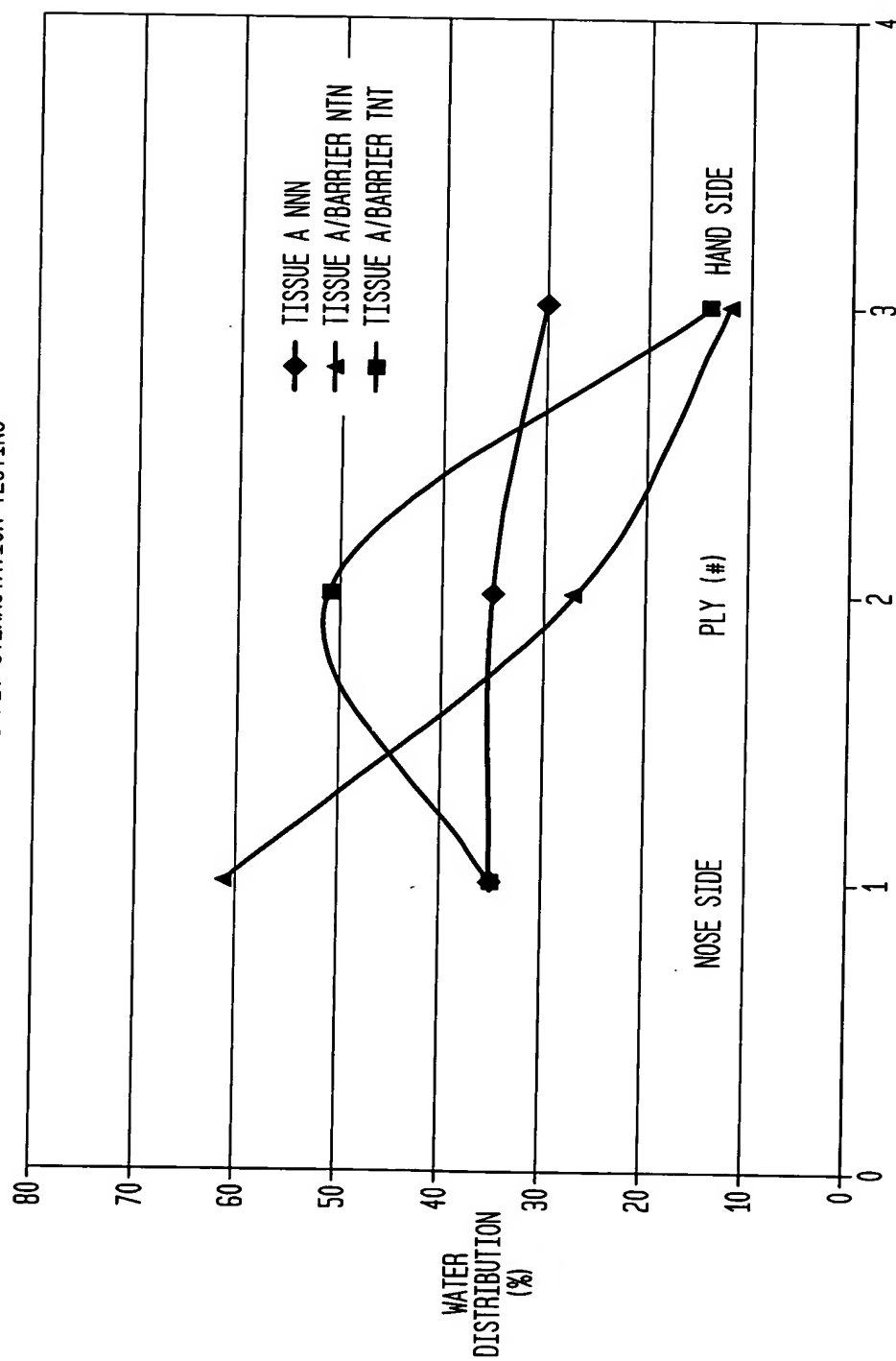


FIG. 31
4-PLY STERNUTATION TESTING

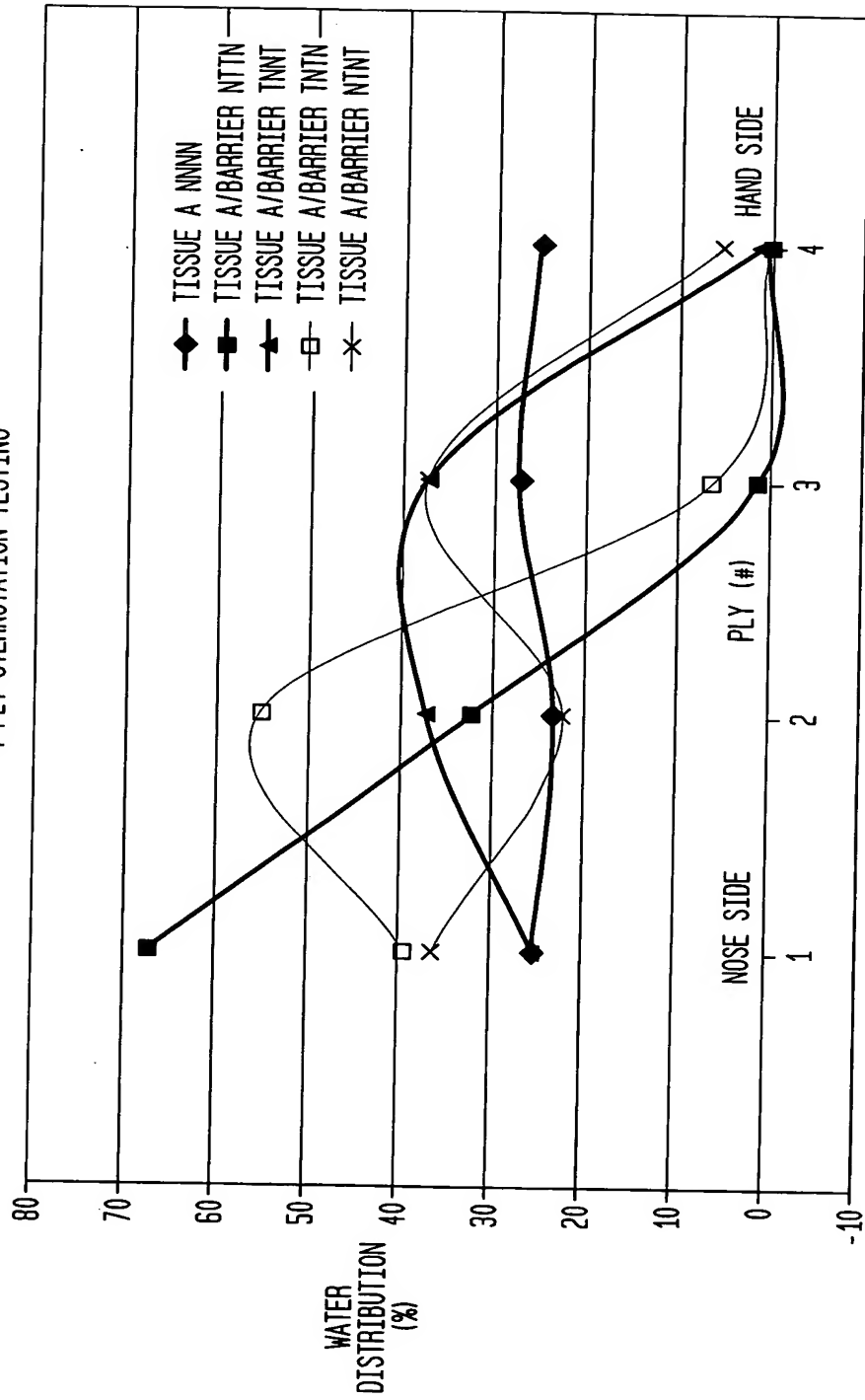


FIG. 32
6-PLY STERNUTATION TESTING

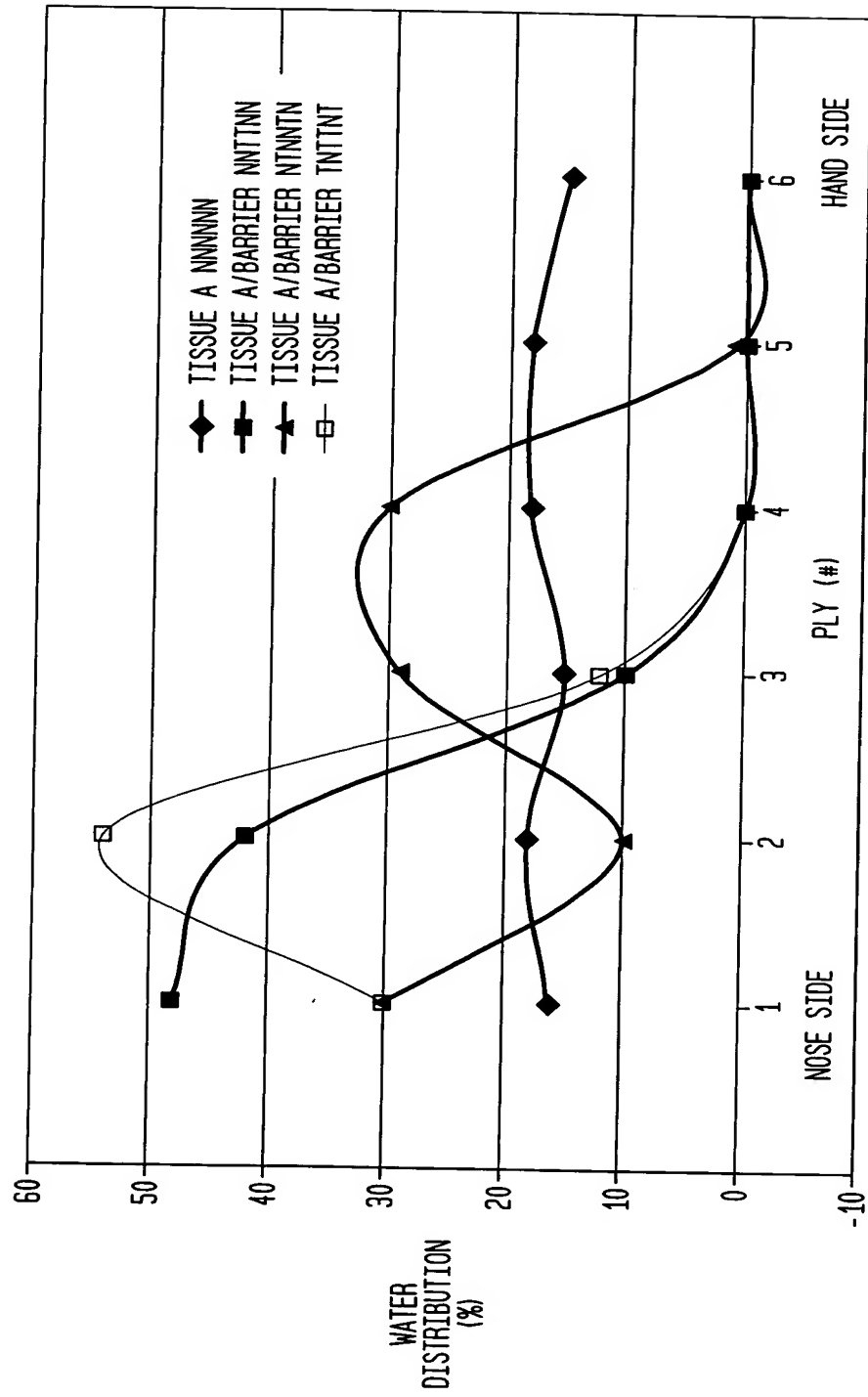


FIG. 33
(PRIOR ART)
3-PLY STERNUTATION TESTING
COMMERCIAL TISSUE

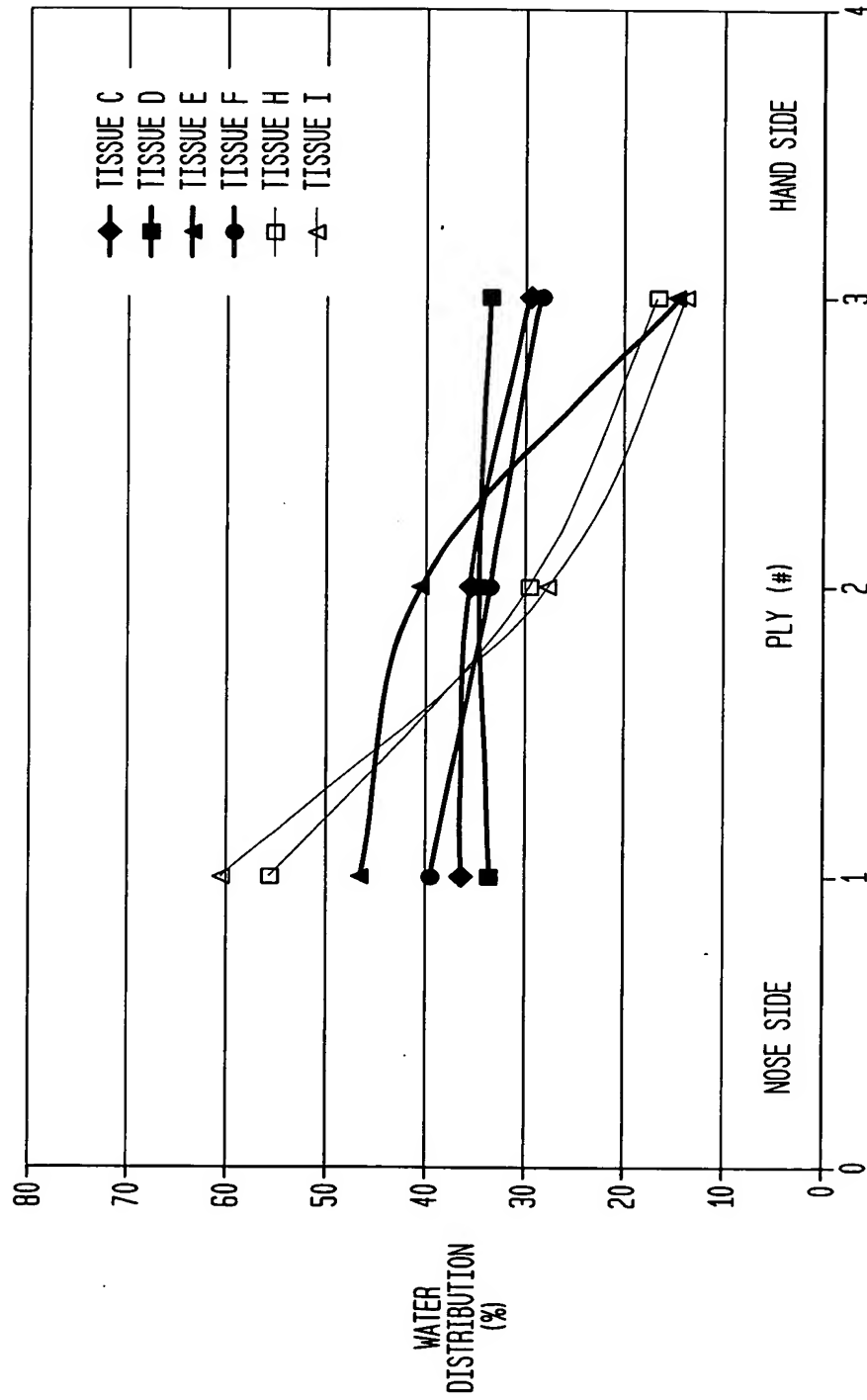


FIG. 34
(PRIOR ART)
6-PLY STERNUTATION TESTING
COMMERCIAL TISSUE

